

558F units are a single piece, cooling only unit, with a low profile, pre-wired, tested and charged at the factory. The units have the capability for convertible supply and return openings and are intended for installation on an accessory curb (ordered separately), or for slab mounting (for horizontal duct connections). Units are designed to accept a field-installed economizer, enthalpy control, manual or 2-position outside air damper, roof curb, as well as up to 5 sizes of electric heat per unit. Refer to accessory chart below for full listing.





### **FEATURES**

- · Standard one-year full product warranty.
- Five-year protection plan for the motor-compressor.
- · Five-year protection plan on electric heaters.
- Outdoor ambient cooling operation from 25 F (-4 C) to 115 F (46 C).
- Units are tested and certified by ARI and certified by UL and CSA. Factory-run test printout included in each rooftop.
- · 24-volt control circuit, with resettable breaker.
- Two-inch disposable-type return air filters in dedicated rack.
- Hermetic compressor on independent circuit with internal line break and overload protection, selflubricating with internal discharge muffler.
- Refrigeration circuit contains a filter drier to trap dirt and particles.
- Two-speed direct-drive evaporator fan on sizes 036-060. All other sizes are belt driven. Adjustable belt-drive fans are optional on sizes 036-060.
- Non-corrosive condensate pan with selfdraining design with both bottom and side drain connections.
- Thru-the-bottom power entry capability.
- Indoor and outdoor coils constructed of aluminum fins mechanically bonded to seamless copper tubes.
- · Single point electrical connections.
- Direct-drive propeller condenser fan totally enclosed with permanently lubricated bearings.
- Pre-painted, insulated cabinet with primed inner panels, certified 500-hr salt spray test and noncorrosive screws.

### HEATING & COOLING SUBMITTAL Unit 558F036-150 3 to 121/2 NOMINAL TONS

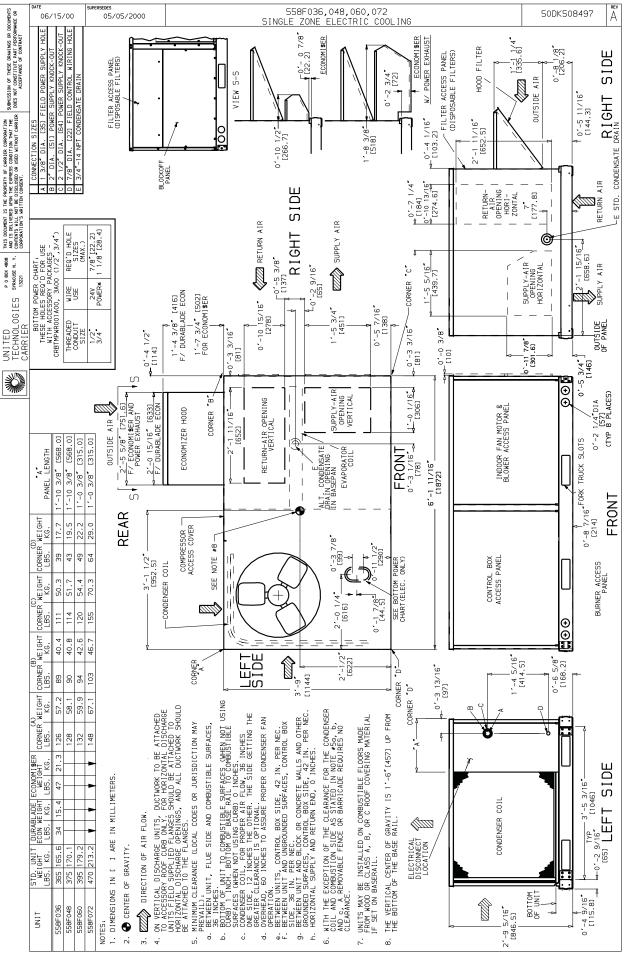
### COMMERCIAL SINGLE-PACKAGE ROOFTOP ELECTRIC COOLING UNITS

SUBMITTAL DATA								
Job Name								
Architect								
Engineer								
Contractor								
Unit Designation								
PERFORMANCE DATA								
Cooling								
Net Total Cap.			Btuh					
Net Sensible Cap			Btuh					
Compressor Power Input			kW					
		F Outdoor A	ir Temp.					
Indoor Entering Air db_	F	wb	F					
CFM	Ext. Static Pres	ssure	(in. wg)					
Fan RPM	Bhp							
SEER/EER								
Heating								
Stage 1	kW		Btuh					
Stage 2	kW		Btuh					
Total	kW		Btuh					
Operating Weight	lb (unit)		b (curb)					
ELECTRICAL DATA								
Power Supply to Unit Volts Phase Hz								
Minimum Circuit Amps		_						
Maximum Overcurrent Protection (Fuse Only)								

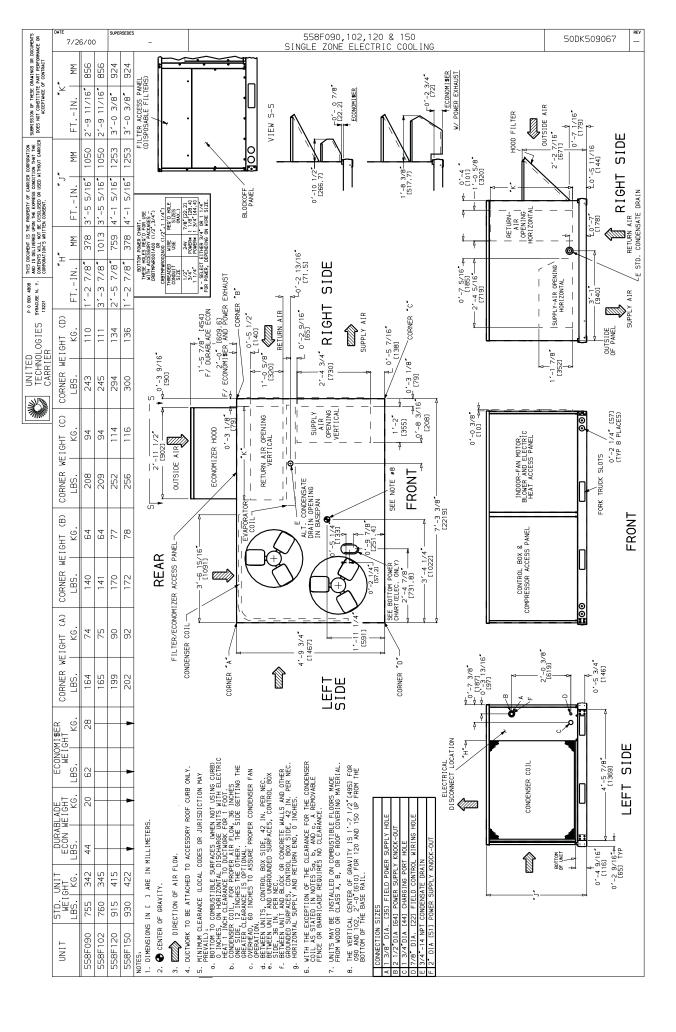
Large, easily removable panels provide ready access to unit components for rapid removal or maintenance.
Filter access door for filter access and maintenance that requires no tools.
3 to 6-ton units have single-stage cooling and two-stage heating capability. The 7¹/₂ to 12¹/₂-ton units have two-stage cooling and two-stage heating capability.
Cooling units with field-installed electric heat and single point electrical kit have single point electrical connection — all UL approved.
Fixed orifice metering device precisely controls refrigerant flow to each circuit individually.
Reliable accurate control circuit with color coded wires and easily accessible terminal board.
Loss of charge (low pressure), freeze protection, and high pressure switches are standard.

	FACTORY-INSTALLED OF HONS				
	Durablade Economizer — Fully Modulating EconoMi\$er — Fully Modulating, Gear Driven Copper/Copper Coils — Evaporator, Condenser, Both Pre-Coated Condenser Coil Technicoat (Post-Coated) Condenser Coil Non-Fused Disconnect Switch 115-Volt Convenience Outlet Alternate Motor and Drive (except 072 and 102 size) High-Static Motor (except 150 size) 25% Manual Air Damper				
FIELD-INSTALLED ACCESSORIES					
	Durablade Economizer — Fully Modulating EconoMi\$er — Fully Modulating, Gear Driven 25% Open Two-Position Damper 100% Open Two-Position Damper 25% Open Manual Air Damper Solid-State Enthalpy Control Differential Enthalpy Control Roof Curb (14- or 24-in Height) Thru-the-Bottom Curb Utility Connection Kit Time Guard® II Compressor Anti-Cycle Control Condenser Coil Hail Guard Condenser Coil Protector EconoMi\$er/Power Exhaust —20 F Motormaster® Low Ambient Control Kit Remote Status Panel Programmable Set-Back Thermostat Electrical Mechanical Thermostat & Subbase Electric Heat Single Point Electrical Heat Kit Indoor Fan/Filter Status Indicator Other				

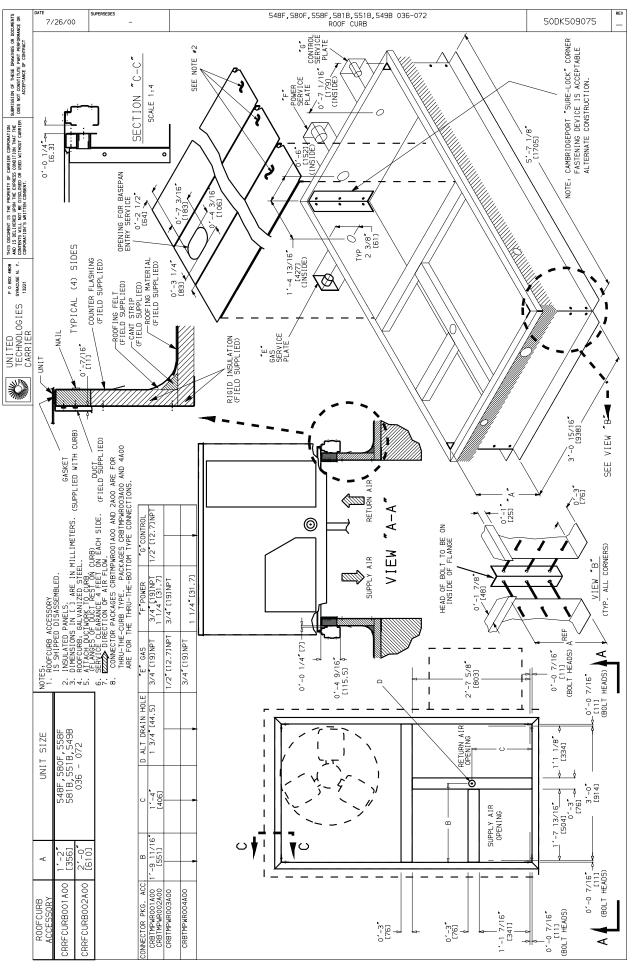
## **CERTIFIED DIMENSION PRINT**



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# **CERTIFIED ROOF CURB DIMENSION PRINT**



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